

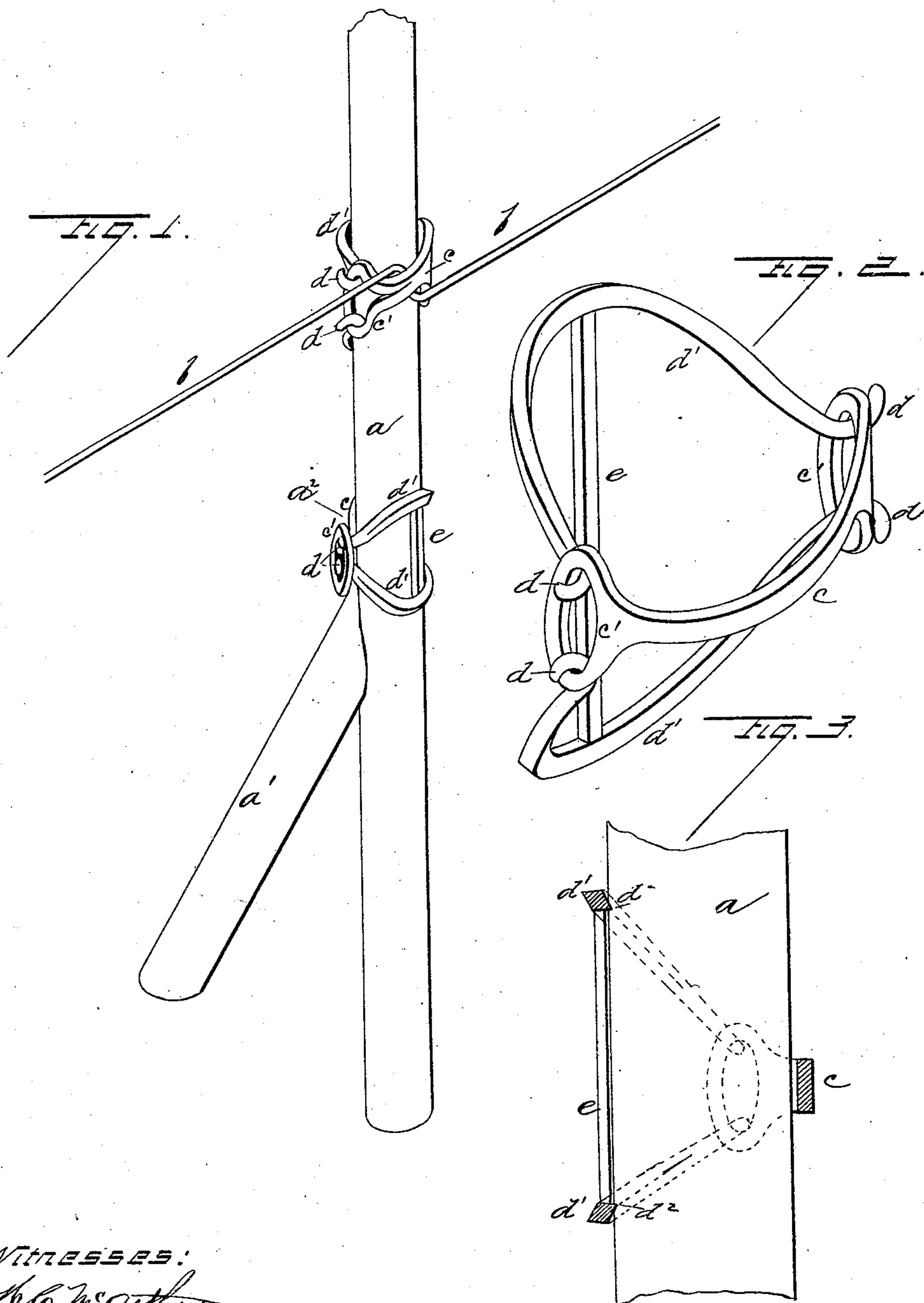
(No Model.)

L. LOGAN.

WIRE FASTENER FOR FENCES

No. 345,516.

Patented July 13, 1886.



Witnesses:

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# UNITED STATES PATENT OFFICE.

LEONARD LOGAN, OF PLYMOUTH, INDIANA.

## WIRE-FASTENER FOR FENCES.

SPECIFICATION forming part of Letters Patent No. 345,516, dated July 13, 1886.

Application filed September 25, 1885. Serial No. 178,195. (No model.)

*To all whom it may concern:*

Be it known that I, LEONARD LOGAN, a citizen of the United States, residing at Plymouth, in the county of Marshall and State of Indiana, have invented certain new and useful Improvements in Fences, of which the following is a specification, to wit:

This invention relates to wire-fasteners for farm-fences; and it consists in the peculiar construction and arrangement of the same, substantially as will be hereinafter more fully set forth and claimed.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the accompanying drawings, in which—

Figure 1 is a perspective view of a post and wire. Fig. 2 is a detail view of the clasp, and Fig. 3 a section of the same.

*a* represents a fence-post, preferably of metal tubing, provided with a supporting-brace, *a'*, as shown. The lower ends of the post and its brace are planted in the ground to a suitable depth, and are thus sustained; and in order that the post may be properly set, no matter what the lay of the ground may be, I make the attachment of the post and its brace adjustable, as will be presently explained. This fence-post is intended to be used in connection with wire fences, either plain or barbed; and *b b* is the fence-wire, which I secure to the post as follows:

*c* is a loop of metal, bent to conform somewhat to the shape of the post, and having an eye, *c'*, at each end, with which engage the hooked ends *d* of two bent links, *d'*. These links are bent on a curve of larger diameter than that of the post, and are at the center of their bodies formed on their inner or contact sides with a sharp biting-edge, *d''*, the purpose of which will be presently seen. The fence-wire is laid against the post at the proper point, and over it is laid the loop *c*, with which the hooked links are then engaged, passing around the rear side of the post. The wire having been strained up to the desired tension, the links *d'* are forced apart on the rear

side of the post, and by this means the loop *c* is drawn tightly down on the wire and holds it firmly to prevent slipping. The strain on the links forces their sharp edges into the post, and thus holds them from becoming loose. These links are made of steel or other suitable material to accomplish this result. To re-enforce the cutting-edges of the links after they are forced apart, I introduce between them a short piece of metal, *e*, and no accident can then displace them till this is removed. It is evident that the edge *d''* of the links may extend along them to any desired length; but it will be sufficient for the purpose in view if they are so constructed only at their centers. This fastening is readily applied and adjusted to the desired point upon the post, and is made quite light and cheap.

It will be seen by the drawings that a slight twist or bend in the wire is made at the point of fastening; but this will not only make no difference in practice, but can be readily avoided by constructing the loop *c* with a similar bend to allow the wire to run straight.

The brace *a'* is formed with a point, *a''*, which runs up behind the post, and is clasped by a fastening exactly similar to the one described for the wire. This enables the posts and braces to be better packed for shipment, and also enables them to be properly adjusted as they are set to correspond with the unevenness of the ground.

The post will be made of any form, and solid or hollow, but is preferably constructed of gas-pipe.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a metal fence-post, of a wire or brace fastener consisting of a bent loop having an eye at each end, two semicircular hooked links, and means, substantially as herein described, for holding them apart on the rear side of the post, substantially as and for the purpose set forth.

2. In a wire-fence fastener, a loop formed with eyes at its ends, in combination with a pair of hooked links engaged therewith and formed at their centers with a sharp biting-



edge, substantially as and for the purpose set forth.

3. In a wire-fence fastener, a loop formed with eyes at its ends, in combination with a pair of hooked links engaging the eyes of said bar, and a bar placed between these links to hold them apart, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

LEONARD LOGAN.

Witnesses:

W. C. McARTHUR,

CHAS. KRESSMANN.